

Claim 10, line 1, change "generated" to -- isolated -- . In line 2, after "and wherein said", and before "second animal species", insert --one or more--. In line 3, after "is non-human", and before ", wherein said cells", insert --primate--. In line 5, after "cells from said", and before "second animal species", insert --one or more--. In line 6, change "comprising" to --consisting of--.

Claim 13, line 1, change "An animal developed" to --A chimeric animal derived --. In line 2, after "and wherein said", and before "second animal species", insert --one or more--. In line 3, after "is non-human", and before ", wherein said cells", insert --primate--. In line 5, after "cells from said", and before "second animal species", insert --one or more--. In line 6, change "comprising" to --consisting of--.

Claim 16, line 1, after "descendant of said", and before "animal of", insert --chimeric--.

Claim 28, line 2, after "and wherein said", and before "second animal species", insert -- one or more --.

Claim 32, line 1, change "at least one of said", to -- said one or more --.

Claim 33, line 1, change "at least one of said", to -- said one or more --.

Claim 34, line 1, change "at least one of said", to -- said one or more --.

Claim 53, line 1, after "The", and before "animal according", insert -- chimeric -- .

Claim 55, line 1, after "The", and before "animal according", insert -- chimeric -- .

Please cancel Claims 8, 9, 11, 12, 14, 15, 17-27, 35-37, 49, 51, 52, and 54 without prejudice.

Please add new Claims 56-71 as follows:

--56. The chimeric embryo according to Claim 1, wherein said chimeric embryo exhibits composite morphology of said first animal species and said one or more second animal species.--

--57. The chimeric embryo according to Claim 1, wherein said chimeric embryo exhibits multi-tissue chimerism of said first animal species and said one or more ~~second animal species~~. --

--58. The chimeric embryo according to Claim 1, wherein said cells from said first animal species and said one or more second animal species are totipotent. --

Sub c'' --59. The chimeric embryo according to Claim 1, wherein said chimeric embryo is an aggregation of totipotent cells of said ~~first animal species~~ and said one or more second animal species. --

--60. The chimeric embryo according to Claim 1, wherein said chimeric embryo is used for studies in developmental biology. --

--61. The chimeric embryo according to Claim 1, wherein said chimeric embryo is used for studies in transplantation biology. --

--62. The chimeric embryo according to Claim 1, wherein said chimeric embryo is used for developmental toxicology assays. --

--63. The chimeric embryo according to Claim 1, wherein said chimeric embryo is used for studies in cardiovascular physiology. --

--64. The chimeric embryo according to Claim 1, wherein said chimeric embryo is used as a model system in research. --

--65. The chimeric embryo according to Claim 1, wherein said chimeric embryo is used as a model system in clinical trials. --

--66. The chimeric animal according to Claim 13, wherein said chimeric animal is used as a source for organs for transplantation. --